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UTILITY
PATENT APPLICATION
TRANSMITTAL

960296.97032 Attorney Docket First Inventor Jonathan C. Makielek Sodium Channel Alpha Subunits Express Mail ET929172602US

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Label No. Commissioner for Patents APPLICATION FLEMENTS ADDRESS TO: **Box Patent Application** See MPEP Chapter 600 concerning utility patent application contents Washington, D.C. 20231 Fee transmittal Form x CD-ROM or CD-R in duplicate, large table or an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) See 37 CFR 1.27. Specification (Total Pages | 3, X [preferred arrangement set forth below] a. X Computer Readable Form (CRF) Specification Sequence Listing on - Descriptive title of the invention - Cross References to Related Applications CD-ROM or CD-R (2 Copies): or - Statement Regarding Fed Sponsored R&D Paper [17 pages] - Reference to sequence listing, a table or a computer program listing appendix c. Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) ACCOMPANYING APPLICATION PARTS - Detailed Description - Claim(s) 9. Assignment Papers (cover sheet & documents) - Abstract of the Disclosure 10. 37 CFR 3.73(b) Statement Power of Attorney (where there is an assignee) 4. X Drawing(s) (35 USC 113) [Total Sheets 4 English Translation Document (if applicable) Information Disclosure Copies of IDS Citations 5. Oath or Declaration [Total Pages Statement (IDS)/PTO-1449 a. X Unexecuted (original or copy) Preliminary Amendment Copy from prior Application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) Return receipt postcard (MPEP 503) (Should be specifically itemized) DELETION OF INVENTOR(S) Signed Statement attached delet Certified copy of priority Document(s) if foreign priority is claimed: named in prior application, see 37CFR 1.63(d)(2) and 1.33(b). Application Data Sheet. See 37 CFR 1.76 16 Other: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76 Continuation Divisional Continuation-in-part (CIP) of prior application no. Prior application information: Examiner: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an eath or declaration is suppl under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorpora reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label or X Correspondence address below

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Name	Bennett J. Berson Registration No. (Attorney/Agent) 37k094							ī
Signature	General Ver					Date: February 12, 2002		

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TOTAL AMOUNT OF PAYMENT

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Signature

Bennett J. Berson

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Complete if Known **FEE TRANSMITTAL** Application Number **FOR FY 2002** Filing Date First Named Inventor Jonathan C. Makielski Group Art Unit

Examiner Name

TOTAL AMOUNT OF PAYMENT \$ 1,160.00			ney Doo	ket N	lumber	960296.98032	-			
METHOD OF PA	T	FEE CALCULATION (continued)								
The Commissioner is indicated fees and critical indicated.		ADDITI Entity Fee	Smal	. FEES		_				
Deposit Scount 17-0055				Code		Fee Description	Fee Paid			
Deposit Account Name Quarles & E	105		205 227	65 25	Surcharge - late filing fee or oath Surcharge - late provisional filing fee or cover sheet					
			130	139	130	Non-English specification	-			
X Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17			2,520	147	2,520	For filing a request for reexamination				
Applicant claims small entity status See 37 CFR 1.27				112	920	Requesting publication of SIR prior to Examiner action				
2. Payment Enclosed:				113	1,840	Requesting publication of SIR after Examiner action				
Check Cr	edit Money Other		110	215		Extension for reply within first month				
TEE CAL	LCULATION	116		216	200	Extension for reply within second month				
	LCOLATION	117	920	217	460	Extension for reply within third month				
BASIC FILING FEE Large Entity Small Entity			1,440	218		Extension for reply within fourth month				
Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$)	For Department		1,960	228		Extension for reply within fifth month				
F15	Fee Description Fee Paid tility filing fee 740	119	320	219		Notice of Appeal				
. N	esign filing fee	120	320	220		Filing a brief in support of an appeal				
197; 510 207 255 PI	ant filing fee	121	280	221		Request for oral hearing				
152	eissue filing fee					Petition to institute a public use proceeding				
MT1 2	ovisional filing fee	140	110	240	55	Petition to revive unavoidably abandoned application				
	BTOTAL (1) (\$) 740.00	141	1,280	241	640	Petition to revive unintentionally abandoned application				
SU	142	1,280	242	640	Utility issue fee (or reissue)					
2. CLAIMS E	Extra Fee from Fee Paid	143	460	243	230	Design issue fee				
Total Claims 15 -20**=		144	620	244	310	Plant issue fee				
Indonesias I	— "I—— I——	122	130	122	130	Petitions to the Commissioner				
Multiple Dependent Claims		123	50	123	50	Petitions related to provisional applications				
Multiple Dependent Claims = = = = = = = = = = = = = = = = = = =			180	126		Submission of Information Disclosure Stmt				
Large Entity Small Entity	or relaced acc below	581	40	581	40	Recording each patent assignment per property (times number of properties)				
Fee Fee Fee Fee Code (\$)	Fee Description	146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))				
103 18 203 9 102 84 202 42	Claims in excess of 20	146	740	246	370	For each additional invention to be examined (37 CFR 1.129(b))				
102 84 202 42 104 280 204 140	Independent claims in excess of 3	179	740	270		Request for Continued Examination (RCE)				
109 84 209 42	Multiple dependent claim **Reissue independent claims over original patent	169	900	169	900	Request for expedited examination of a design application				
110 18 210 9	over original patent **Reissue claims in excess of 20 and over original patent	Other	Other fee (specify)							
•	SUBTOTAL (2) (\$) 420.00	· Red	Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$).00							
17/18/100										
SUBMITTED BY Complete (if applicable)										

37,094

Telephone

Date

608/251-5000

February 12, 2002

Registration No.

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February 12, 2002

Commissioner for Patents Box Patent Application P O Box 2327 Arlington VA 22202

Re: Filing Patent Application

Dear Sir:

Enclosed for filing please find a patent application entitled:

SODIUM CHANNEL ALPHA SUBUNITS

by Jonathan C. Makielski Bin Ye

The undersigned hereby certifies that this document is being deposited with the United States Postal Service today, February 12, 2002, by the "Express Mail" service, utilizing Express Mail label number ET929172602US, addressed to: Commissioner for Patents, Box Patent Application, P O Box 2327, Arlington, VA 22202.

Please indicate receipt of this application by returning the attached postcard with the official Patent and Trademark Office receipt and serial number stamped thereon.

Respectfully submitted.

Kulani (/ Higgins)

Enclosures